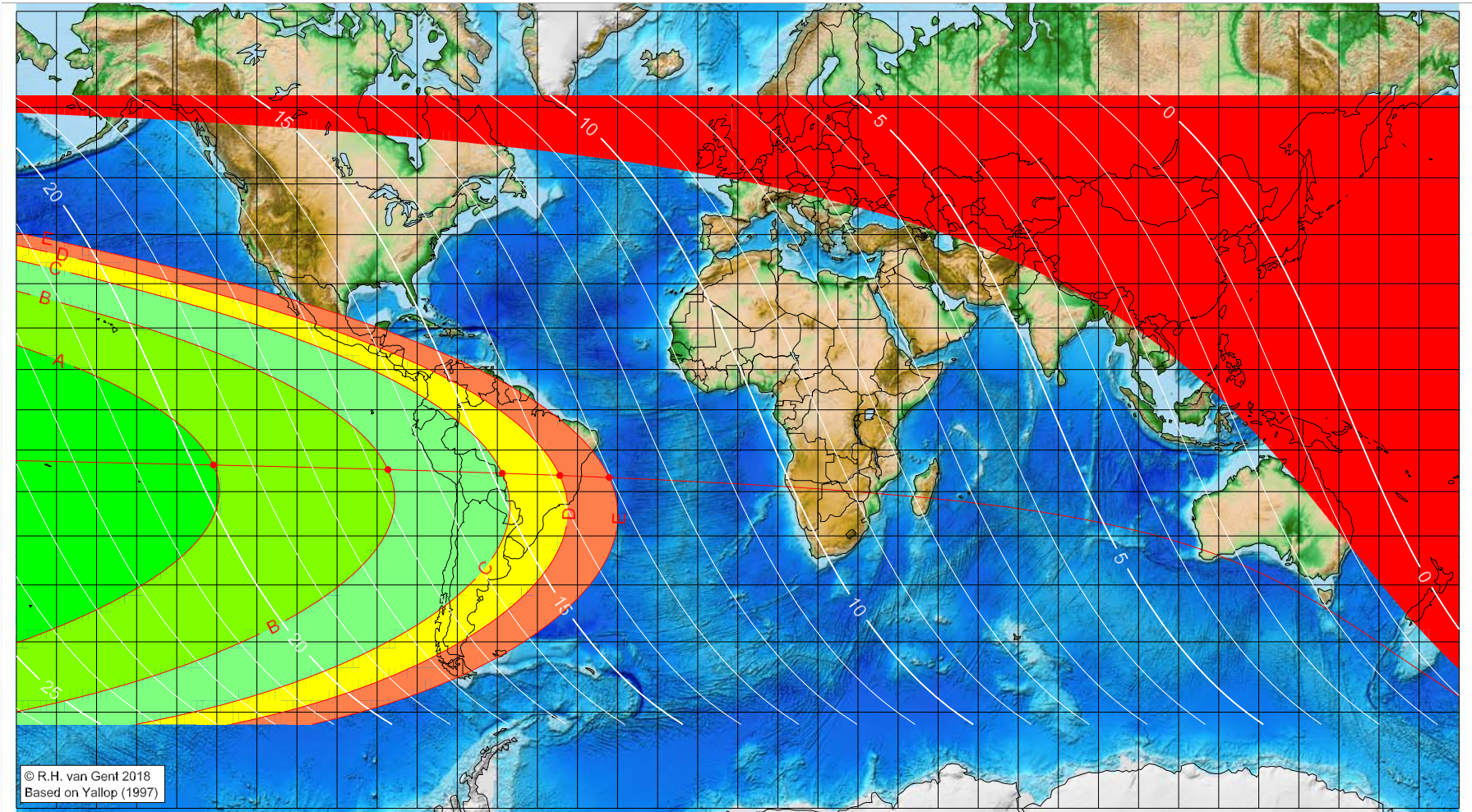


# First visibility lunar crescent for Jumādā 'l-Ūlā 1443 AH

Global visibility map for 4 December 2021 [Saturday]  
Day of luni-solar conjunction



© R.H. van Gent 2018  
Based on Yallop (1997)

Astronomical New Moon: 4 December 2021, 7h 43.2m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1224

Islamic Lunation Number = 17309

TT - UT [= ΔT] = 1.2 min

Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)

Longitude (°)	Latitude (°)	Lunar age (h)
-130.81	-13.63	19.66
-87.29	-14.76	16.73
-58.77	-15.65	14.82
-44.41	-16.16	13.86
-32.07	-16.64	13.03

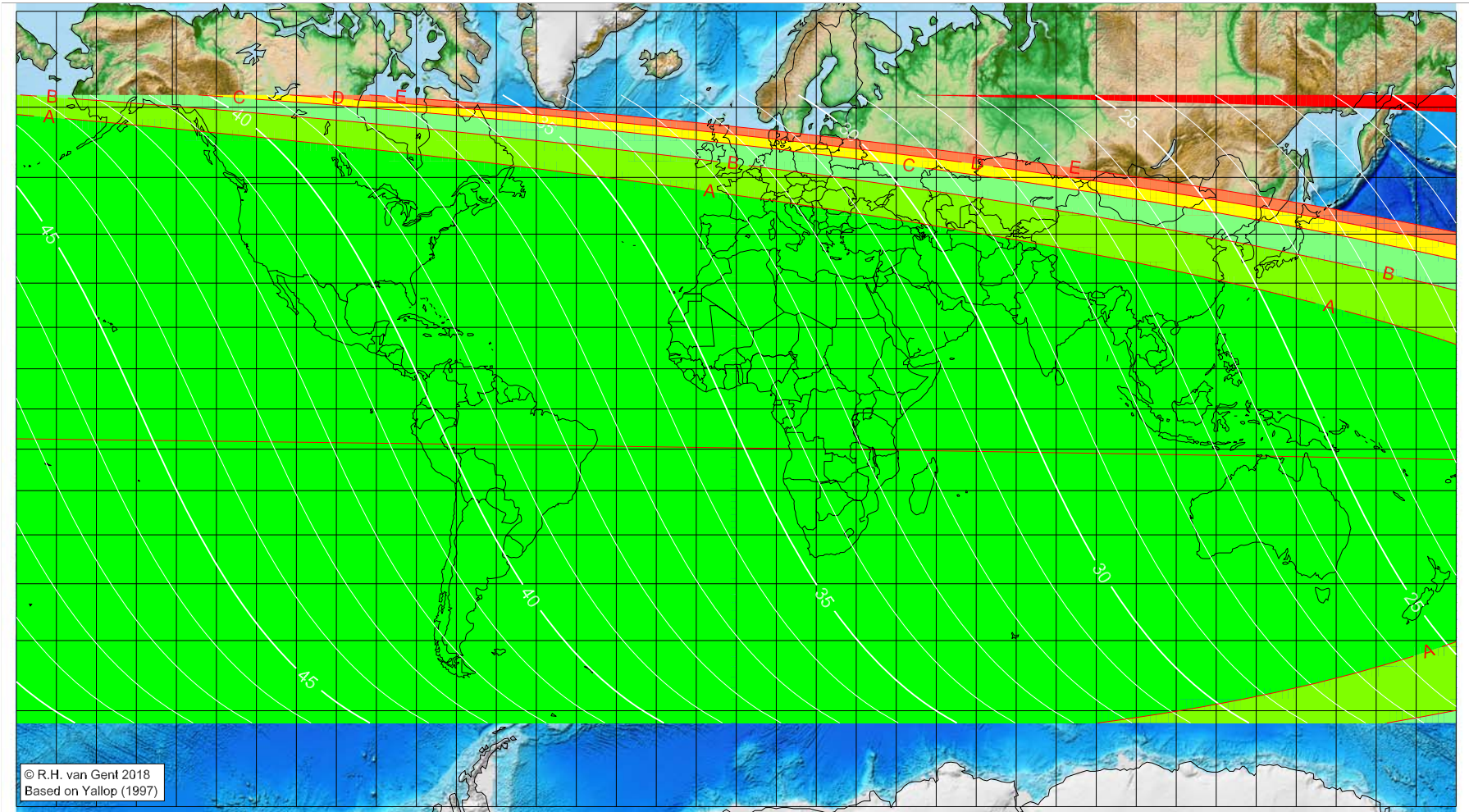
■ moonset before sunset

■ before conjunction (astronomical new moon)

More info: <http://www.staff.science.uu.nl/~gent0113/>

# First visibility lunar crescent for Jumādā 'l-Ūlā 1443 AH

Global visibility map for 5 December 2021 [Sunday]  
Day after luni-solar conjunction



Astronomical New Moon: 4 December 2021, 7h 43.2m (UTC)

First visibility (•)

Astronomical (Brown) Lunation Number = 1224

Islamic Lunation Number = 17309

TT - UT [= ΔT] = 1.2 min

Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit (7°)
- moonset before sunset
- before conjunction (astronomical new moon)

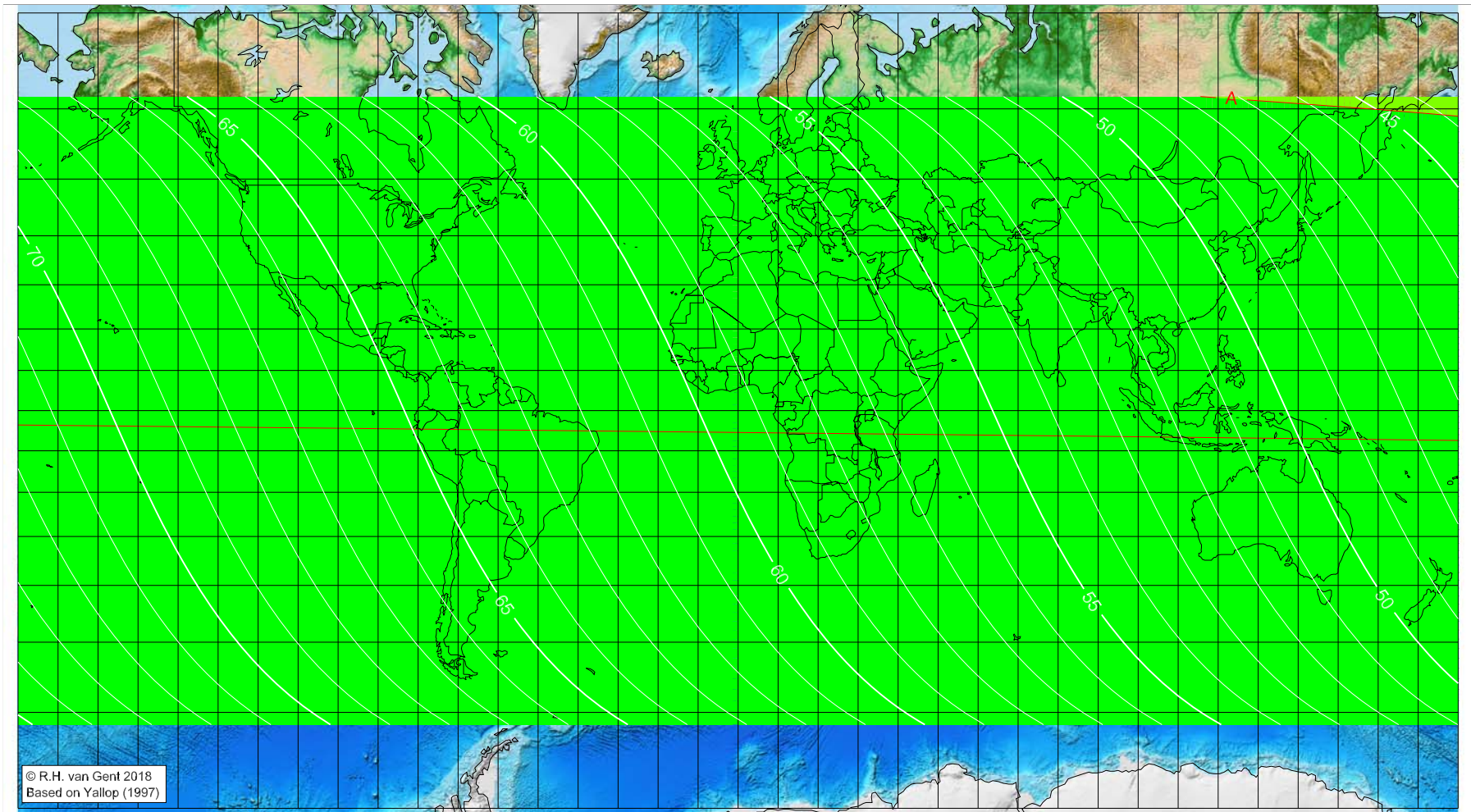
Longitude (°) Latitude (°) Lunar age (h)  
 visible on the previous evening  
 visible on the previous evening  
 visible on the previous evening  
 visible on the previous evening

More info: <http://www.staff.science.uu.nl/~gent0113/>



# First visibility lunar crescent for Jumādā 'l-Ūlā 1443 AH

Global visibility map for 6 December 2021 [Monday]  
Second day after luni-solar conjunction



Astronomical New Moon: 4 December 2021, 7h 43.2m (UTC)

- A – easily visible to the unaided eye
- B – visible under perfect atmospheric conditions
- C – visible to the unaided eye after found with optical aid
- D – only visible with binoculars or conventional telescopes
- E – not visible with conventional telescopes
- F – below Danjon limit ( $7^\circ$ )
- moonset before sunset
- before conjunction (astronomical new moon)

Astronomical (Brown) Lunation Number = 1224  
Islamic Lunation Number = 17309  
 $TT - UT [= \Delta T] = 1.2 \text{ min}$

Lunar age (in hours) is given for the 'best time',  
defined as the moment 4/9ths between sunset  
and moonset

More info: <http://www.staff.science.uu.nl/~gent0113/>